

AbstractARRANGEMENT AND METHOD FOR CONTROLLING TRANSMISSION AND/OR  
RECEPTION OF SIGNALS IN A RADIO COMMUNICATIONS SYSTEM

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According to one aspect of the invention, an arrangement for  
controlling transmission and/or reception of signals in a ra-  
dio communications system is disclosed, comprising transcei-  
ving means (TX,RX) each connected to one element of an array  
10 of antenna elements (#1...#n), wherein at least one of said  
transceiving means (TX,RX) is additionally connected to a  
calibration antenna for transmitting and/or receiving test  
signals to and/or from said antenna elements (#1...#n), at  
least one calibration processor for determining variations of  
15 said test signals in said transceiving means (TX,RX), and  
a beamforming processor for taking into account the determi-  
ned variations for beamforming and/or determination of direc-  
tion of arrival of respectively transmitted and received ra-  
dio signals by said antenna elements (#1...#n).

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FIG 4